

REMARKS

Claims 22-44 are pending. Claims 1-21 have been cancelled. New claims 22-44 substantially correspond to the claims after entry of the amendments under Articles 19 and 34, while also correcting improper multiple dependent claims.

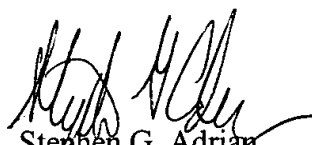
The above amendment is believed to place the claims in proper condition for examination. Early and favorable action is awaited.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version with markings to show changes made."

In the event there are any additional fees required, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The paragraph beginning at page 10, line 10, has been amended as follows:

A selective reduction method of the present invention is a method whereby polyvalent, reducible ions (e.g., Tl ion) substituted for a portion of Cu ions in the charge supply layers of a high temperature superconductor are reduced (their ionic valence is reduced) by decreasing the oxygen content in the high temperature superconductor (e.g., by heat treatment in a reducing atmosphere). It is by this reduction of reducible substituted ions that the electronic and band structures of a Cu-oxide high temperature superconductor vary and a mechanism is revealed that permits doping with positive holes. It should also be noted at this point that term "selective reduction type high temperature superconductor" as used herein, of the present invention is intended to refer to a high temperature superconductor that comprises a pair of charge supply layers constituted by an upper and a lower surface of a unit superconductor lattice having each of a portion of Cu atoms in these surfaces substituted with polyvalent, reducible ions and having these substitutional ions exclusively and selectively reduced, and a superconducting layer as a layer other than those upper and lower surfaces.